

# mab.consulting LLC

PO Box 287  
Brookside, NJ 07926  
Fedex/UPS to: 24 Hampshire Drive,  
Mendham, NJ 07945

September 06, 2012

Cooperating Parties Group  
c/o William H. Hyatt, Jr.  
K&L Gates LLP  
One Newark Center  
Newark, NJ 07102-5252

Technical Support - Lower  
Passaic River RIFS  
Consulting Services Agreement -  
July 7, 2009  
mab Project #09-1004

Enclosed is invoice 10561, which covers services from 8/1/2012 to 8/31/2012. This invoice, dated 9/6/2012, is for \$20743.24. Your total balance, including past charges, is \$65370.19. Prompt payment of your total balance at your earliest convenience is appreciated.

## Billing Summary

Total for services rendered	\$20,627.24
Total expenses	\$116.00
Total interest and finance charges	\$0.00
Total payments and other transactions	\$0.00
Total previous balance	\$44,626.95
<b>Balance Due</b>	<b>\$65,370.19</b>

Thank you for your confidence in my work and my commitment to serving you.

If you have questions, please call me at 973.543.5608.

Sincerely,

Enclosure

# **mab.consulting LLC**

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**Michael A. Barbra, PE**

**mab.consulting LLC**  
PO Box 287  
Brookside, NJ 07926  
Fedex/UPS to: 24 Hampshire Drive, Mendham, NJ  
07945

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Invoice submitted to:  
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c/o William H. Hyatt, Jr.  
K&L Gates LLP  
One Newark Center  
Newark, NJ 07102-5252

Please make checks payable to:  
mab.consulting LLC  
Michael A. Barbara  
Tax ID No. 116-42-7283

September 06, 2012

In Reference To: Technical Support - Lower Passaic River RIFS  
Consulting Services Agreement - July 7, 2009  
mab Project #09-1004

Invoice #10561

Professional Services

		<u>Hrs/Rate</u>	<u>Amount</u>
8/1/2012	MAB Meeting TC Meeting - Newark NJ.	6.90 168.00/hr	1,159.20
	MAB Meeting w/CH2M Hill re contracting issues.	1.10 168.00/hr	184.80
8/2/2012	MAB Meeting RASC Meeting.	5.40 168.00/hr	907.20
8/3/2012	MAB Conference Call w/dmi, K&L re CAG meeting; schedule.	0.65 168.00/hr	108.45
	MAB Conference Call w/EPA re bathymetry survey request.	0.50 168.00/hr	83.91
	MAB Correspondence CAG meeting notes; correspondence w/EPA.	0.70 168.00/hr	117.60
	MAB Data Analysis Review sediment distributions for TA, prepare for workgroup conference call.	1.80 168.00/hr	302.40
	MAB Correspondence w/CPG re edits to EPA letter.	1.10 168.00/hr	184.80

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973.543.5608

		<u>Hrs/Rate</u>	<u>Amount</u>
8/5/2012	MAB Correspondence re Targeted Remedy presentation; correspondence from TSI.	1.70 168.00/hr	285.60
8/6/2012	MAB Conference Call w/TA workgroup; NewFields analysis. Review slides.	0.84 168.00/hr	140.28
	MAB Telephone Call w/H. Martin re TA call; follow-up with msg.	0.60 168.00/hr	101.36
	MAB Telephone Call w/J. Connolly re targeted areas.	0.42 168.00/hr	71.21
	MAB Document Review Revisions to TA slides.	1.20 168.00/hr	201.60
8/7/2012	MAB Telephone Call w/counsel re TSDF designations.	0.25 168.00/hr	41.49
	MAB Conference Call SC Conference Call	1.87 168.00/hr	313.60
8/8/2012	MAB Meeting Modelling meeting w/AQ, M&N, dmi. Update, develop SOWs.	5.40 168.00/hr	907.20
	MAB Telephone Call w/msg re Targeted Area modifications; data analysis.	0.51 168.00/hr	85.40
8/9/2012	MAB Document Review TC meeting notes; prepare action items.	1.80 168.00/hr	302.40
	MAB Develop Presentation Materials Slides for CPG Meeting - Targeted Remedy.	1.90 168.00/hr	319.20
8/10/2012	MAB Telephone Call w/msg; refinement of TAs, preparation for TCSC, group meeting.	0.45 168.00/hr	75.65
	MAB Data Analysis Revisions to TA; review database modifications.	1.70 168.00/hr	285.60

		<u>Hrs/Rate</u>	<u>Amount</u>
8/10/2012	MAB Telephone Call w/dmi (BP) re targeted remedy. Preparation for Group Meeting,	0.22 168.00/hr	37.10
8/12/2012	MAB Correspondence re EPA Progress Report; correspondence w/TC.	1.60 168.00/hr	268.80
	MAB Develop Presentation Materials re TASC presentation; prepare for Group meeting.	1.80 168.00/hr	302.40
8/13/2012	MAB Telephone Call w/msg re slides for TC/Group; refinements of target areas, calculations.	0.44 168.00/hr	74.39
	MAB Develop Presentation Materials Prepare for TC/CPG presentations; revisions to slides, re-calculation of removals.	2.30 168.00/hr	386.40
	MAB Conference Call w/TC Working Group re revisions to targeted remedy. Prep w/msg. Follow up w/dmi. Follow-up w/msg.	1.66 168.00/hr	278.60
8/14/2012	MAB Develop Presentation Materials Revise update slides for CPG.	0.90 168.00/hr	151.20
	MAB Meeting CPG Meeting - Newark NJ.	5.60 168.00/hr	940.80
	MAB Meeting Follow-up to CPG meeting, w/counsel, dmi.	0.70 168.00/hr	117.60
	MAB Telephone Call w/CH2M Hill,	0.38 168.00/hr	63.70
	MAB Telephone Call w/R2.	1.02 168.00/hr	170.85
8/15/2012	MAB Telephone Call w/msg, follow-up to revisions of TAs.	0.47 168.00/hr	79.33

		<u>Hrs/Rate</u>	<u>Amount</u>
8/15/2012	MAB Telephone Call w/dmi re NB SOWs, response to R2 for conference call.	0.73 168.00/hr	122.69
	MAB Document Review Review/respond to Group comments; TR, cost estimates.	1.30 168.00/hr	218.40
8/16/2012	MAB Telephone Call w/msg re: revisions to target areas.	0.69 168.00/hr	116.39
	MAB Telephone Call w/BASF re revisions to slides; revisions to targeted areas.	0.37 168.00/hr	62.16
8/17/2012	MAB Correspondence w/counsel, TC re NRRB submission.	1.50 168.00/hr	252.00
8/20/2012	MAB Correspondence w/counsel, TC re NRRD outline, prepare for conference call.	1.90 168.00/hr	319.20
	MAB Correspondence w/msg; review reduction calculations, revised slides.	1.50 168.00/hr	252.00
	MAB Conference Call w/dmi, counsel re NRRB outline. Conference call w/TC re revisions of targeted remedy.	1.65 168.00/hr	277.39
	MAB Telephone Call w/dmi. Conversations w/EPA.	0.34 168.00/hr	56.84
8/21/2012	MAB Develop Presentation Materials Revisions to NRRB outline; revisions to TR slides.	4.20 168.00/hr	705.60
	MAB Correspondence Revisions to NRRB outline; revision to TR slides. Telecon w/msg.	2.50 168.00/hr	420.00
8/22/2012	MAB Develop Presentation Materials Revisions to TR slides, text.	2.10 168.00/hr	352.80

		<u>Hrs/Rate</u>	<u>Amount</u>
8/22/2012	MAB Telephone Call w/msg; revised Target Areas, slide configurations, outline of NRRB response.	0.59 168.00/hr	98.98
	MAB Develop Presentation Materials Review dmi comments on TR; review msg revisions. Correspondence w/TCSC.	2.80 168.00/hr	470.40
	MAB Telephone Call w/R2 re NRRB. Compile notes.	1.10 168.00/hr	184.80
8/23/2012	MAB Document Review Review comments on TR slides; correspondence w/TC.	0.75 168.00/hr	126.00
	MAB Telephone Call w/dmi re EPA telecon; impact on NRRB response approach.	0.31 168.00/hr	52.50
	MAB Conference Call w/TC re Targeted Remedy, NRRB response. Follow-up w/dmi, msg.	3.51 168.00/hr	590.47
	MAB Correspondence w/AECOM, WW, msg re revisions to risk calculations.	1.10 168.00/hr	184.80
	MAB Develop Presentation Materials Revisions to TR slides; incorporation of TC comments.	1.30 168.00/hr	218.40
8/24/2012	MAB Correspondence Revisions/text from TC on TR, telecon w/JPC, RW, msg. Revisions to risk calculations.	3.90 168.00/hr	655.20
	MAB Conference Call w/msg; revise TR slides.	1.00 168.00/hr	168.51
8/25/2012	MAB Correspondence w/CH2M Hill re duration and cost of FFS alternatives.	2.90 168.00/hr	487.20
8/27/2012	MAB Correspondence w/TC re NRRB comments; integrate msg edits to TR presentation. Integrate risk calculations.	2.10 168.00/hr	352.80

		<u>Hrs/Rate</u>	<u>Amount</u>
8/27/2012	MAB Conference Call w/K&L, dmi re preparation for Group Meeting.	0.71 168.00/hr	119.14
	MAB Telephone Call w/msg; revisions to slides.	0.29 168.00/hr	49.14
	MAB Conference Call w/dmi, AQ re modeling SOWs, develop scope/approach on RI approach.	0.71 168.00/hr	118.58
	MAB Correspondence w/AECOM re risk results; comparison table for TC.	1.40 168.00/hr	235.20
	MAB Conference Call w/TC re TR slides.	1.94 168.00/hr	326.25
	MAB Develop Presentation Materials Revisions to slides based on TC comments.	2.40 168.00/hr	403.20
8/28/2012	MAB Develop Presentation Materials Compile TC comments; generate new illustrations. Review risk calculations.	3.30 168.00/hr	554.40
	MAB Telephone Call w/dmi; preparation for Group meeting.	0.34 168.00/hr	57.45
	MAB Correspondence w/msg; speaker's notes, prepare for Group presentation.	0.90 168.00/hr	151.20
	MAB Conference Call w/CPG - present TR; participate in CPG Executive Session.	4.64 168.00/hr	779.33
	MAB Telephone Call w/R2 re NRRB; targeted approach.	0.77 168.00/hr	129.50
	MAB Telephone Call w/dmi meeting debrief.	0.40 168.00/hr	67.81



		<u>Hrs/Rate</u>	<u>Amount</u>
8/29/2012	MAB Correspondence w/TC re EPA telecon; w/counsel re follow-up to CPG Meeting.	2.20 168.00/hr	369.60
	MAB Telephone Call w/JPC re revisions to TR slides, modeling issues.	0.65 168.00/hr	109.76
	MAB Telephone Call w/dmi (RL); follow-up to CPG Meeting; preparation for TC Meeting.	0.39 168.00/hr	65.05
8/30/2012	MAB Correspondence w/R2, counsel re document release to TSI.	0.90 168.00/hr	151.20
	MAB Correspondence w/R2 re schedule.	0.29 168.00/hr	49.00
	MAB Telephone Call w/counsel; follow-up to CPG Meeting.	0.32 168.00/hr	54.18
	MAB Correspondence re AQ modeling scope, support for TR. Teleconw/dmi.	0.80 168.00/hr	134.40
8/31/2012	MAB Develop Presentation Materials Preparation for TC Meeting; alternative TR slides.	1.90 168.00/hr	319.20
	MAB Correspondence w/dmi re AQ scope and SPG; w/TC re TR slides, sensitivity analysis for threshold,	2.40 168.00/hr	403.20
	MAB Document Review re TC agenda.	1.10 168.00/hr	184.80
<b>For professional services rendered</b>		<b>122.77</b>	<b>\$20,627.24</b>

## Additional Charges :

		<u>Qty/Price</u>	<u>Amount</u>
8/1/2012	MAB Milage Newark NJ - TC Meeting IRS Mileage Reimbursement Rate 7/1/2011.	66 0.56	36.63
8/2/2012	MAB Milage RASC Meeting - Newark, NJ IRS Mileage Reimbursement Rate 7/1/2011.	65 0.56	36.08
8/8/2012	MAB Milage Modeling meeting, site visit. IRS Mileage Reimbursement Rate 7/1/2011.	78 0.56	43.29
<b>Total additional charges</b>			<u><b>\$116.00</b></u>
<b>Total amount of this bill</b>			<u><b>\$20,743.24</b></u>
<b>Previous balance</b>			<u><b>\$44,626.95</b></u>
<b>Balance due</b>			<u><u><b>\$65,370.19</b></u></u>

Current	30 Days	60 Days	90 Days	120 Days
39,413.99	0.00	25,956.20	0.00	0.00